



CERTIFICATE OF MAILING  
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:

4-5-04  
Date

[Signature]  
Signature

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

David E. Bergbreiter  
Chunmei Li  
Jacqueline Besinaiz  
Jun Li  
Shayna Sung

Group Art Unit: 1754

Examiner:

Atty. Dkt. No.: 12740.0266.NPUS01

Serial No.: 10/656,566

Filed: September 5, 2003

For: Phase Selective Polymer Supports for  
Catalysis

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria VA, 22313-1450

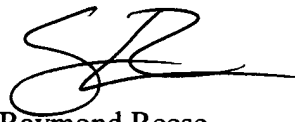
Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, The Commissioner is authorized to charge any required fees to Deposit Account No. 01-2508/12740.0266.NPUS01.

Respectfully submitted,



Raymond Reese  
Reg. No. 47,891  
Patent Agent for Assignee  
The Texas A&M University System

HOWREY SIMON ARNOLD & WHITE, LLP  
750 Bering Drive  
Houston, Texas 77057-2198  
(713) 787-1400

Date: April 2, 2004

Form PTO-1449 (modified)

Atty. Docket No.  
12740.0266.NPUS01Serial No.  
10/656,566

List of Patents and Publications for Applicant's

Applicant  
David E. Bergbreiter, et al.

INFORMATION DISCLOSURE STATEMENT

Filing Date:  
September 5, 2003Group:  
1754

(Use several sheets if necessary)

U.S. Patent Documents  
See Page 1Foreign Patent Documents  
See Page 1Other Art  
See Page 1

## U.S. Patent Documents

| Exam. Init. | Ref. Des. | Document Number | Date     | Name               | Class | Sub Class | Filing Date of App. |
|-------------|-----------|-----------------|----------|--------------------|-------|-----------|---------------------|
|             | A1        | 4,506,030       | 03/19/85 | Jones              | 502   | 155       | 02/17/84            |
|             | A2        | 6,426,313 B2    | 07/30/02 | Walzer, Jr. et al. | 502   | 103       | 03/26/99            |
|             | A3        |                 |          |                    |       |           |                     |
|             | A4        |                 |          |                    |       |           |                     |
|             | A5        |                 |          |                    |       |           |                     |

## Foreign Patent Documents

| Exam. Init. | Ref. Des. | Document Number | Date | Country | Class | Sub Class | Translation Yes/No |
|-------------|-----------|-----------------|------|---------|-------|-----------|--------------------|
|             | B1        |                 |      |         |       |           |                    |
|             | B2        |                 |      |         |       |           |                    |

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

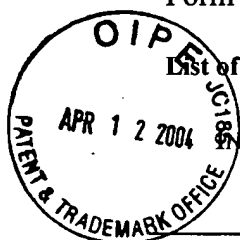
| Exam. Init. | Ref. Des. | Citation                                                                                                                                                                                                                                                    |
|-------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | C1        | David Bradley; "Shy Chemicals Offer a Solution" SCIENCE Vol. 300, June 27, 2003; pages 2022-23.                                                                                                                                                             |
|             | C2        | David E. Bergbreiter; "Using Soluble Polymers to Recover Catalysts and Ligands"; Chemical Reviews, Vol. 102, No. 10, 2002; pages 3345-83.                                                                                                                   |
|             | C3        | David J. Cole-Hamilton; "Homogeneous Catalysis—New Approaches to Catalyst Separation, Recovery, and Recycling" SCIENCE Vol. 299 March 14, 2003; pages 1702-06.                                                                                              |
|             | C4        | David E. Bergbrieter, Phillip L. Osburn, Allan Wilson and Erin M. Sink; "Palladium—Catalyzed C—C Coupling Under Thermomorphic Conditions" J. Am. Chem. Soc., Vol. 122, No. 28; 2000; pages 9058-64.                                                         |
|             | C5        | David E. Bergbrieter and Chunmei Li; "Poly(4-tert-butylstyrene) as a Soluble Polymer Support in Homogeneous Catalysis" Organic Letters, 2003 Vol. 5, No. 14, 2445-47, and supporting materials from <a href="http://pubs.acs.org">http://pubs.acs.org</a> . |

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)



|                                                                                                                                   |                                               |                                           |                          |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|--------------------------|
| Form PTO-1449 (modified)                                                                                                          |                                               | Atty. Docket No.<br>12740.0266.NPUS01     | Serial No.<br>10/656,566 |
| List of Patents and Publications for Applicant's<br><br>INFORMATION DISCLOSURE STATEMENT<br><br>(Use several sheets if necessary) |                                               | Applicant<br>David E. Bergbreiter, et al. |                          |
|                                                                                                                                   |                                               | Filing Date:<br>September 5, 2003         | Group:<br>1754           |
| U.S. Patent Documents<br><i>See Page 1</i>                                                                                        | Foreign Patent Documents<br><i>See Page 1</i> | Other Art<br><i>See Page 1</i>            |                          |

### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

| Exam.<br>Init. | Ref.<br>Des. | Citation                                                                                                                                                                                                                                                                                                |
|----------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | C6           | David E. Bergbreiter, Phillip L. Osburn, and Jonathon d. Frels; "Nonpolar Polymers for Metal Sequestration and Ligand and Catalyst Recovery in Thermomorphic Systems"; J. Am. Chem. Soc. 2001 Vol. 123, 11105-06, and supporting materials from <a href="http://pubs.acs.org">http://pubs.acs.org</a> . |
|                | C7           | David E. Bergbreiter, Reagan Hughes, Jacqueline Besinaiz, Chunmei Li and Phillip L. Osburn; "Phase-Selective Solubility of Poly(N-alkylacrylamide)s"; J. Am. Chem. Soc. 2003 Vol. 125; 8244-49, and supporting materials <a href="http://pubs.acs.org">http://pubs.acs.org</a> .                        |
|                | C8           | David E. Bergbreiter, Phillip L. Osburn, Thomas Smith, Chunmei Li and Jonathon D. Frels; "Using Soluble Polymers in Latent Biphasic Systems"; J. Am. Chem. Soc. 2003, Vol. 125, pages 6254-60.                                                                                                          |
|                | C9           |                                                                                                                                                                                                                                                                                                         |
|                | C10          |                                                                                                                                                                                                                                                                                                         |
|                | C11          |                                                                                                                                                                                                                                                                                                         |
|                | C12          |                                                                                                                                                                                                                                                                                                         |

**EXAMINER:****DATE CONSIDERED:**

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)